

Application No. 10/625387
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Amendment
Attorney Docket No. E30.2H-11235-US01

Amendments To The Specification:

Please amend the title of the invention as follows:

~~360 DEGREE ILLUMINATION POD WARNING LIGHT SIGNAL HAVING LED's~~

On pages 18 and 19 please amend paragraph 170 and 171 as follows:

Referring to FIGS. 3 and 9, warning signal light 10, comprises LED support or light support 12, LED light sources 30, controller 50 (shown in FIG. 11), and connecting portion 40, for attaching the warning signal light 10, to light bar 70, or gyrator 90,. The warning signal light 10, operates to create a warning signal for use by an emergency vehicle 104, by selectively activating light sources 30 or by selectively activating combinations and/or patterns of light sources 30 by using controller 50. Alternatively, warning signal light 10, may be formed of one or more solitary LED light sources 30.

Light sources 30, are preferably light emitting diodes (LED's) and are generally arranged in aligned columns 32, and/or rows 34, as shown in FIG. 7 and 9. Each of the light emitting diodes (LED's) may have shoulder portion 38, adjacent light support or LED support 12, and dome 36. LED's 30, are situated to be in electric communication with controller 50, and a power supply, a battery, or power source. The use of light emitting diodes (LED's) to replace traditional halogen, incandescent, or gaseous discharge xenon lamps reduces heat generation, current draw, and electromagnetic emissions, while increasing lamp life and producing a more true output light color.

On page 24, please amend paragraph 206 as follows:

Another embodiment of warning signal light 10 is depicted in FIGS. 1 and 2 as light bar 70 which extends from driver side 100 to passenger side 102 of emergency vehicle 104. Cover 82 protects light bar 70 from the elements. Each side of light bar 70 may have LED's 30 to produce or simulate warning light signals on each side of emergency vehicle 104. Furthermore, controller 50 may be used to create multiple warning light signals on each side of light bar 70. For example, controller 50 may create a simulated revolving blue light positioned at front passenger side 102 of light bar 70, oscillating white lights positioned at front driver side

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100, and yellow arrows there between. Additional or alternative warning light signals may be produced out the back 18 and sides of light bar 70. It is further envisioned that light bar 70 may consist of a single light source, a single row of light sources or a large array of LED's 30 across each side (not shown). This embodiment provides the largest display and, therefore, is best suited to display desired combinations of warning lights and images. It should be noted that the identified types of warning light signals, combinations and/or patterns of warning light signals, may also be reproduced through the illumination of a single row of LED light sources 30 and that the type of patterns previously identified are not intended to be exclusive in that an infinite variety of combinations and/or patterns are available for generation by controller 50.

On pages 25 and 26, please amend paragraph 211 as follows:

In this embodiment, the ease of visualization of a generated light signal is significantly enhanced by the downward angular offsets 108, which may be downward which position the light sources 30 along parallel visual lines of sight (V). LED supports 12 or panels 14 may then be positioned in any desired location within the interior of a vehicle in flush contact or proximate to the front or rear windshield 106. A suitable cable 97 is required to provide electrical power for illumination of the light sources 30. It should be noted that the angle of incidence for the angular offsets 108 may vary considerably dependent upon the make or model for the vehicle to include the warning signal lights 10.

On page 28, please amend paragraph 218 as follows:

The xenon lamp 1 is preferably aligned for insertion into a conventional opening 248 of a light reflector assembly 260 (FIGS. 20 and 21). The light receptacle opening 248 in the light reflector assembly 260 is typically about one inch in diameter; and the glass dome and base pedestal 2 are sized to fit within the light receptacle opening 248. The xenon lamp 1 in its final construction may include a cover plate (not shown) affixed over the bottom opening of the base pedestal 2 for affixation to a light reflector assembly 260 via the use of screws which pass through the screw apertures 9.1. The anode, cathode, and trigger wire 7 traverse the base pedestal 2 and may include a plug 9.2 which is adapted for engagement to a controller/power supply for a motor vehicle.

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The ~~light~~ reflector assembly 260 may be a conventional light reflector of the type found in vehicles having a clear plastic or glass lens cover. The glass or lens cover may be fitted over the front edge of the reflector assembly 260 in a manner which is conventional for vehicle lamps. The ~~light~~ reflector assembly 260 may be parabolically or other shaped. The ~~light~~ reflector assembly 260 may be mounted to a motor for rotation about a vertical axis. In this embodiment the ~~light source/replacement~~ LED replacement lamp 200 may be integrally connected or affixed to the reflector assembly 260 for simultaneous rotation about the vertical axis during use of the motor. Alternatively, the ~~light source/replacement~~ LED replacement lamp 200 may be fixed proximate to the vertical axis where the ~~light~~ reflector assembly 260 is rotated around the stationary LED replacement lamp 200 to provide for the visual appearance of a rotational light source.

On page 28, please amend paragraph 221 as follows:

~~LED warning signal replacement~~ lamp 200 may be used in a variety of locations about a vehicle. The use of the ~~LED warning signal replacement~~ lamps 200 are not necessarily limited to positioning adjacent to the head lamp or headlight, tail light, or turn signal illumination devices. The ~~LED warning signal replacement~~ lamp 200 may be used as a rotational, pulsating, or oscillating reflector light within the interior, adjacent to a front, rear, and/or side window of a vehicle.

On page 30, please amend paragraph 225 as follows:

Referring to FIG. 18, an incandescent lamp or quartz halogen H-2 lamp is depicted and in general is indicated by the numeral 220. The incandescent lamp assembly 220 is formed of a standard mounting base 222. A vertical post 224 extends upwardly from the standard mounting base 222. The incandescent light bulb 226 is mounted in the vertical post 224. The vertical post 224 may extend below the standard mounting base 222 to provide for electrical coupling with a wire 228 which includes a standard pin connector 230. The standard pin connector 230 is adapted for electrical communication to a power supply and/or controller 50 for activation of the incandescent lamp assembly 220. The incandescent lamp assembly 220 may be stationary or mounted in a ~~rotational~~ light reflector assembly 260. The light bulb 226 may be a halogen H-2, 55 watt, lamp.

On page 39, please amend paragraph 228 as follows:

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As depicted in FIG. 20, a rotational light reflector 246 is disclosed. The rotational light fixture 246 includes a reflector assembly 260 having a standard opening 248. The incandescent light assembly 220 is positioned in the standard opening 248 for extension of the vertical post 224 outwardly from the reflector assembly 260 for positioning of the light bulb 226 in a desired location. Light emitted from the standard halogen light bulb 226 reflects off the parabolic-shaped reflector assembly 260, which may be parabolically-shaped, for transmission of light in a direction as indicated by arrows AA for visualization by individuals. Reflector assembly 260 and light source 226 may be rotated via the use of gears 250 which are driven by electrical motors not shown. In this manner, the rotational light fixture 246 including the reflector assembly 260 may be rotated at any desired velocity as preferred by an individual.